



PTO/SB/21 (04-04)

Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CofC

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/086,862
		Filing Date	March 4, 2002
		First Named Inventor	Xuesong Chen
		Art Unit	1745
		Examiner Name	Raymond Alejandro
Total Number of Pages in This Submission		Attorney Docket Number	9351-97

ENCLOSURES (check all that apply)

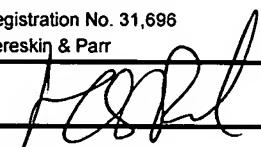
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input checked="" type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): (1) Certificate of Correction Request; and (2) Certificate of Correction.
Remarks		

Certificate

OCT 28 2004

CERTIFICATE

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	H. Samuel Frost Registration No. 31,696 Bereskin & Parr
Signature	
Date	October 22, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name		
Signature		

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Patent No. : 6,790,546 B2
Issued : September 14, 2004
Appl. No : 10/086,862
Applicant : Chen et al.
Filed : March 4, 2002
Title : CATALYTIC HUMIDIFIER AND HEATER
FOR THE FUEL STREAM OF A FUEL CELL
TC./A.U. : 1745
Examiner : RAYMOND ALEJANDRO

Docket No. : 9351-97
Customer No. : 001059



Honorable Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

CERTIFICATE OF CORRECTION REQUEST

Please correct the above-identified patent as follows:

Amendments to the Claims:

Please amend claim 1 as follows:

1. A method of operating a fuel cell system comprising a plurality of fuel cells, each fuel cell comprising a fuel inlet for a fuel, an anode having a catalyst associated therewith for producing cations from the fuel, a fuel manifold connected between the fuel inlet and the anode for distributing the fuel to the anode, an oxidant inlet means for supplying oxidant, a cathode having a catalyst associated therewith and connected to the oxidant inlet means for producing anions from the oxidant, said anions reacting with said cations to form water on said cathode and an ion exchange membrane disposed between the anode and the cathode, for facilitating migration of cations from the anode

Please send all correspondence to the Mississauga office:

2000 Argentia Rd., Plaza 4, Ste. 430,
Mississauga, Ontario, Canada L5N 1W1
Tel: 905.812.3600 Fax: 905.814.0031

Scotia Plaza, 40 King St. West, 40th Floor,
Toronto, Ontario, Canada M5H 3Y2
Tel: 416.364.7311 Fax: 416.361.1398

Waterloo Technology Campus, 408 Albert St., Ste. 2,
Waterloo, Ontario, Canada N2L 3V3
Tel: 519.783.3210 Fax: 519.783.3211

to the cathode, while isolating the fuel and oxidant from one another, the method comprising

- (a) supplying one part of the oxidant to the oxidant inlet means ~~an~~ of the fuel cells for reaction to generate electrical power and heat;
- (b) providing a catalytic reactor for promoting reaction of the fuel and the oxidant, supplying the fuel to the catalytic reactor and supplying another part of the oxidant to the catalytic reactor in an amount less than the stoichiometric amount required for the combustion of the fuel supplied to the catalytic reactor, to ensure complete consumption of the other part the oxidant, thereby generating a flow of heated and humidified fuel;
- (c) supplying the heated and humidified fuel to the fuel inlets of the fuel cells, for reaction with said one part of the oxidant to generate electricity and heat; and
- (d) supplying the fuel and the other part of the oxidant to the catalytic reactor, prior to supply thereof to the fuel cells.

REMARKS/ARGUMENTS

The applicant submits that the error in claim 1 was corrected in the Office Action response dated February 12, 2004, but not entered by your office.

A Certificate of Correction is being filed concurrently herewith.

Applicant requests that a timely Certificate of Correction be issued in this case.

Respectfully submitted,

BERESKIN & PARR

By


H. Samuel Frost
Reg. No. 31,696
Tel: 416-957-1687

Attachments

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO : 6,790,546 *B2*

DATED : September 14, 2004

INVENTOR(S) : Xuesong Chen et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

At column 7, line 66, delete "an".

MAILING ADDRESS OF SENDER:

Bereskin & Parr
Box 401, 40 King Street West
Toronto, Ontario M5H 3Y2 Canada

PATENT NO. 6,790,546

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.